

# SAFETY DATA SHEET

## SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME****Bercen® D-020****Chemical Name:**11-Docosene  
Isomerized Docosene**Use of Substance/Mixture:**

Intermediate for producing Alkenyl Succinic Anhydride

**Manufacturer:**

Bercen

**Address:**

30140 Eden Church Road, Denham Springs, LA 70726

**Phone Numbers:**

(225) 664-7167, (800) 423-7236

**Fax Number:**

(225) 665-7902

**Emergency Numbers:**Transportation Emergency  
Only in the event of a chemical emergency involving a spill, leak, fire, exposure or accident call CHEMTREC (24 hours) at (800) 424-9300. For all other emergencies call Bercen, Inc. at: (800) 423-7236.

## SECTION 2. HAZARDS IDENTIFICATION

**GHS Classification**Aspiration Toxicity, Category 1  
Specific target organ toxicity (single exposure), Category 3**GHS Labeling**

Symbol(s):

**Signal Word:**

Danger

**Hazard Statements:****H304:** May be fatal if swallowed and enters airways.**H335:** May cause respiratory irritation**Precautionary Statements:****Prevention:****P261:** Avoid breathing gas, mist vapors**P271:** Use only outdoors or in a well-ventilated area**P405:** Store locked up.**Response:****P301, P310:** IF SWALLOWED: Immediately call a poison center or doctor/physician.**P304, P340:** IF INHALED: Remove person to fresh air and keep comfortable for breathing**P312:** Call a doctor if you feel unwell**P331:** Do not induce vomiting.**Disposal:****P501:** Dispose of contents/container to approved waste disposal.

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	C.A.S.#	GHS Classification	Concentration (%)
11- Docosene	62978-77-2	Aspiration Toxicity, Category 1 STOT-SE, Category 3	60-100%

## SECTION 4. FIRST AID MEASURES

<b>Eye Contact:</b>	Rinse with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
<b>Skin Contact:</b>	Remove contaminated clothing and shoes immediately. Wash with soap and water. If skin irritation persists, call a physician.
<b>Inhalation:</b>	If breathed in, move person into fresh air. Consult a physician if cough or other symptoms develop.
<b>Ingestion:</b>	Get medical attention immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.
<b>Notes to Physician:</b>	No information available. Treat symptomatically.

## SECTION 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Use dry chemical; carbon dioxide; foam; water. Use water spray to cool fire-exposed containers.
<b>Specific Hazards During:</b>	Do not allow run-off from fire-fighting to enter drains or water courses.
<b>Fire Fighting Equipment:</b>	Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Use personal protective equipment.
<b>Environmental Precautions:</b>	Do not flush into surface water or sanitary sewer system.
<b>Transportation Spills:</b>	In case of transportation accidents, call CHEMTREC, (800) 424-9300.

## SECTION 7. HANDLING AND STORAGE

<b>Handling Advice:</b>	Do not breathe vapors or spray mist. Avoid contact with eyes, skin and clothing.
<b>Storage Advice:</b>	Store away from heat, and protect from freezing. Store between 7 - 35°C (45 – 90°F).



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## SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Eye Protection:</b>	Wear appropriate eye protection.
<b>Skin Protection:</b>	Impervious gloves made of nitrile rubber, PVC and neoprene gloves are recommended.
<b>Respiratory Protection:</b>	For most conditions, no respirator protection should be needed; however, in atmospheres that exceed the PEL, use a MSHA/NIOSH approved respirator.
<b>Exposure Controls:</b>	Good general ventilation should be sufficient to control airborne levels.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Clear, colorless to pale yellow liquid
<b>ODOR:</b>	Mild
<b>ODOR THRESHOLD:</b>	Not established
<b>pH:</b>	Not applicable
<b>SPECIFIC GRAVITY:</b>	0.78– 0.80
<b>BOILING POINT:</b>	348°C (658°F)
<b>FLASH POINT:</b>	>261°F PMCC (127°C)
<b>MELTING/FREEZING POINT:</b>	-17.5°C (0.5°F)
<b>EVAPORATION RATE:</b>	Not established
<b>LOWER EXPLOSIVE LIMIT:</b>	Not established
<b>UPPER EXPLOSIVE LIMIT:</b>	Not established
<b>FLAMMABILITY (SOLID, GAS):</b>	Not established
<b>VAPOR PRESSURE:</b>	< 0.017 Pa (25°C / 77 °F)
<b>VAPOR DENSITY:</b>	Not established
<b>RELATIVE DENSITY:</b>	0.80
<b>SOLUBILITY:</b>	Insoluble in water
<b>PARTITION COEFFICIENT: N-OCTANOL/WATER:</b>	Not established
<b>AUTOIGNITION TEMPERATURE:</b>	254°C (489°F)
<b>DECOMPOSITION TEMPERATURE:</b>	Not established
<b>VISCOSITY:</b>	7.935 mm <sup>2</sup> /s (25°C / 77°F) 5.466 mm <sup>2</sup> /s (40°C / 104°F)



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## SECTION 10. STABILITY AND REACTIVITY INFORMATION

<b>Chemical Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Heat, flames, and sparks. Exposure to air. Exposure to sunlight. In certain circumstances product can ignite due to static electricity.
<b>Hazardous Reaction:</b>	No dangerous reaction known under conditions of normal use.
<b>Materials to Avoid:</b>	Avoid contact with oxidizing materials and strong acids.
<b>Hazardous Decomposition:</b>	Oxides of Carbon

## SECTION 11. TOXICOLOGICAL INFORMATION

<b>ACUTE TOXICITY</b>	Rat, LD 50: > 5,000 mg/kg
Oral:	Expected to be of low toxicity
Dermal:	LD 50: > 5,000 mg/kg Expected to be of low toxicity:
Inhalation:	Low toxicity by inhalation
<b>CARCINOGENICITY:</b>	The product is not a recognized carcinogen.
<b>MUTAGENICITY:</b>	Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
<b>TERATOGENICITY:</b>	Not established
<b>REPRODUCTIVE TOXICITY</b>	Rat (male and female), Oral Dose once daily: 0, 100, 500, or 1000 mg/kg
General Systemic Toxicity:	OECD Guideline 421, NOAEL f1: 1.000 mg/kg

## SECTION 12. ECOLOGICAL INFORMATION

<b>AQUATIC TOXICITY:</b>	Expected to be not toxic at limit of water solubility
<b>BIODEGRADABILITY:</b>	Readily biodegradable.
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not expected to bioaccumulate significantly
<b>MOBILITY IN SOIL:</b>	Adsorbs to soil and has low mobility. Floats on water.
<b>OTHER ADVERSE EFFECTS:</b>	None

## SECTION 13. DISPOSAL CONSIDERATIONS

Consult state and local regulations regarding the proper disposal of this material.

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## SECTION 14. TRANSPORTATION INFORMATION

Proper Shipping Name:	Not regulated by DOT
Freight Classification:	Non-hazardous, Non-regulated
IATA:	Not a dangerous good
IMDG:	Not a dangerous good

## SECTION 15. REGULATORY INFORMATION

SARA TITLE III:	SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES:				
	Chemical Name	C.A.S.#	Concentration	TPQ	RQ
	None				
	SECTION 102(A) CERCLA HAZARDOUS SUBSTANCES:				
	Chemical Name	C.A.S.#	Concentration	RQ	
	None				
	Acute	Chronic	Fire	Pressure	Reactive
	Yes	No	No	No	No
	SECTION 313 TOXIC CHEMICAL(S):				
	Chemical Name	C.A.S.#	Concentration		
	None				
CERCLA:	This material is not subject to the notification requirements of CERCLA				
TSCA:	All components of this product are listed or are excluded from being listed on the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.				
RCRA:	Since this product is not sold as a waste, we have not tested it as a waste. Based on our knowledge of this product, its raw materials and processes employed during its manufacture, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. We recommend that you carry out your own tests and evaluations prior to discarding any materials.				
OSHA:	According to the OSHA Hazard Communication Standard 29 CFR 1910.1200, this product is to be considered a hazardous chemical due to the possibility of irritation on repeated contact.				
CLEAN AIR ACT:	This product does not contain any Hazardous Air Pollutants (HAPS). This product does not contain any Class I or Class II Ozone Depleting Substances (ODS)				
CLEAN WATER ACT:	This product does not contain any measurable amount of priority pollutants.				
CONEG:	This product is in compliance with the CONEG model legislation. The sum on the concentration levels of lead, cadmium, mercury, and hexavalent chromium do not exceed one hundred parts per million by weight (0.01%).				
STATE REGULATIONS:	California Proposition 65:				
	This product does not contain any substances present that are known to the State of California to cause cancer or to be reproductive toxicant.				
	Michigan Critical Materials List:				
	This product does not contain ingredients on the Michigan Critical Materials Register.				
INTERNATIONAL REGULATIONS:	Information available upon request.				

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www.bercen.com

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## SECTION 16. OTHER INFORMATION

BERCEN BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS ACCURATE AND RELIABLE AS OF THE DATE OF THIS MATERIAL SAFETY DATA SHEET. THIS INFORMATION HAS BEEN COMPILED BY BERCEN PERSONNEL WITH EXPERTISE IN THESE AREAS AND WITH RELIANCE ON OUTSIDE SOURCES OF INFORMATION. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY, OF MERCHANTABILITY, PERFORMANCE OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE MATERIAL OR THE INFORMATION CONTAINED HEREIN. BERCEN URGES PERSONS RECEIVING THIS INFORMATION TO MAKE THEIR OWN DETERMINATION AS TO THE INFORMATION'S SUITABILITY AND COMPLETENESS FOR THEIR PARTICULAR PURPOSE.

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